

### In the Claims

**Amend claim 1, and cancel claims 2-4 as follows:**

1. (currently amended) The method of producing continuous inorganic fibers of rock, comprising operations of:

loading fractured rocks to a melting furnace,

melting the rocks to produce a melt~~melting,~~

homogenizing the melt~~homogenization,~~

further ~~stabilization~~ stabilizing of the melt in a melting furnace feeder,

drawing a fiber~~drawing, and~~

lubricating and winding the fiber onto a bobbin,

wherein dacite or rhyodacite is used as a rock, prior to loading to the melting furnace the rock is heated up to temperature between 700 and 910°C, kept at this temperature during 5 to 15 minutes until removal of chemically bound water and burning up organic components, then the rock is subjected to mechanical-catalytical activation until obtaining particles of not more than 15 µm in size and is heated to temperature between 2105 and 2200°C until obtaining the melt with amorphism degree of not less than 96% and isolation of not melted quartzites from the melt, further homogenization and stabilization of the melt are performed at the temperature 1420 to 1710°C until obtaining the melt with viscosity being not less than 130 decipoise, and fibers are drawn from the melt ~~zone located below~~ a surface thereof.

2-4. (cancelled)